```
RRR
RRR
RRR
RRR
RRR
                                   FFF
FFF
FFF
FFF
FFF
                 RRR
RRR
RRR
                              RRR
RRR
RRR
```

Va

	\$	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	
		\$			

TS

Version: 'V04-000'

0021

0022

0023

C \*\*

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SUBROUTINE TSTAPE (LUN)

AUTHOR BRIAN PORTER CREATION DATE 20-SEP-1979

Functional description:

TS11 tape handler device error/timeout display module

Modified by:

V03-005 SAR0235 Sharon A. Reynolds, 28-Mar-1984 Changed the call to UCB\$L\_OWNUIC to ORB\$L\_OWNER.

V03-004 SAR0099 Sharon A. Reynolds, 20-Jun-1983 Changed the carriage control in the 'format' statements for use with ERF.

V03-003 SAR0045 Sharon A. Reynolds, 9-Jun-1983 Remove brief/cryptic support.

v03-002 BP0007 Brian Porter, 20-AUG-1982 Minor edit.

v03-001 BP0006 Brian Porter, 05-MAR-1982 Corrected tssr and tsba in 'b' and 'c' formats.

INCLUDE 'SRC\$: MSGHDR.FOR /NOLIST' INCLUDE 'SRC\$: DEVERR.FOR /NOLIST'

EN

TS

PR

VA

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TS

FU

```
16-Sep-1984 00:15:51
5-Sep-1984 14:23:51
                                                                                                                                                                                                                                                                     VAX-11 FORTRAN V3.4-56
DISK$VMSMASTER: CERF.SRCJTSTAPE.FOR; 1
 TSTAPE
                                                                                                                       /'INTERRUPT ENABLE*'/
/'DEVICE ON-LINE*'/
/'TAPE MOTION ON LAST COMMAND*'/
/'ILLEGAL ADDRESS*'/
/'ILLEGAL COMMAND*'/
/'NON-EXECUTABLE FUNCTION*'/
/'WRITE LOCK ERROR*'/
/'RECORD LENGTH LONG*'/
/'LOGICAL END OF TAPE*'/
/'RECORD LENGTH SHORT*'/
/'TAPE MARK DETECTED*'/
                                                                        V1XSTATO(5)
V1XSTATO(6)
V1XSTATO(7)
DATA
                                                DATA
                                                DATA
                                                                       V1XSTATO(7)
V1XSTATO(8)
V1XSTATO(9)
V1XSTATO(10)
V1XSTATO(11)
V1XSTATO(12)
V1XSTATO(13)
V1XSTATO(14)
V1XSTATO(15)
                                                DATA
                                                DATA
                                                DATA
                                                DATA
                                                DATA
                                                DATA
                                                DATA
                                                DATA
                                                CHARACTER+20 V1X
DATA V1XSTAT1(0)
                                                                                                V1XSTAT1(0:7)
                                                                                                                        /'MULTI-TRACK ERROR*'/
/'UNCORRECTABLE ERROR*'/
                                                DATA
                                                                        VIXSTATI(1)
                                                                       V1XSTAT1(2)
V1XSTAT1(3)
V1XSTAT1(4)
V1XSTAT1(5)
V1XSTAT1(6)
V1XSTAT1(7)
                                                                                                                       /'POSTAMBLE LONG*'/
/'POSTAMBLE SHORT*'/
/'INVALID END DATA*'/
/'INVALID POSTAMBLE*'/
/'SYNCH FAILURE*'/
/'INVALID PREAMBLE*'/
                                                DATA
                                                DATA
                                                DATA
                                                DATA
                                                DATA
                                                                       PR*19 V2XSTAT1(9:13)
V2XSTAT1(9) /'SPEED CHECK*'/
V2XSTAT1(10) /'DESKEW BUFFER FAIL*'/
V2XSTAT1(11) /'TRASH IN GAP*'/
V2XSTAT1(12) /'CREASE DETECTED*'/
V2XSTAT1(13) /'CORRECTABLE ERROR*'/
                                                CHARACTER*19
                                                DATA
                                                DATA
                                                DATA
                                                                       R*10 V3XSTAT1(15:15)
V3XSTAT1(15) /'DATA LATE*'/
                                                CHARACTER*10
                                                DATA
                                                CHARACTER*19 V1XSTAT2(10:10)
DATA V1XSTAT2(10) /'WRITE CARD FAILURE*'/
                                               CHARACTER*29 V2XSTAT2(12:15)
DATA V2XSTAT2(12) /'CAPSTAN ACCELERATION FAILURE*'/
DATA V2XSTAT2(13) /'SERIAL BUS PE AT DRIVE*'/
DATA V2XSTAT2(14) /'SILO PARITY ERROR*'/
DATA V2XSTAT2(15) /'OPERATION IN PROGRESS*'/
                                               CHARACTER+25 V1X3
DATA V1XSTAT3(0)
DATA V1XSTAT3(1)
DATA V1XSTAT3(2)
DATA V1XSTAT3(3)
DATA V1XSTAT3(3)
DATA V1XSTAT3(4)
DATA V1XSTAT3(5)
DATA V1XSTAT3(6)
DATA V1XSTAT3(7)
                                                                                               CHARACTER+34 FATAL ERROR(0:3)
DATA FATAL ERROR(0) /'INTERN
DATA FATAL ERROR(1) /'I/O SE
DATA FATAL ERROR(2) /'MICRO
DATA FATAL ERROR(3) /'AC LO+
                                                                                                                       /'INTERNAL MICRO DIAGNOSTIC FAILURE*'/
/'I/O SEQUENCER CROM PARITY ERROR*'/
/'MICRO PROCESSOR CROM PARITY ERROR*'/
/'AC LO*'/
```

VAX-11 FORTRAN V3.4-56 DISK\$VMSMASTER: [ERF.SRC]TSTAPE.FOR; 1

Page

```
16-Sep-1984 00:15:51
5-Sep-1984 14:23:51
TSTAPE
                                                  CHARACTER*34 TERMINATION(0:7)
DATA TERMINATION(0) /'NORMAL
DATA TERMINATION(1) /'ATTENT!
DATA TERMINATION(2) /'TAPE ST
DATA TERMINATION(3) /'FUNCTION
DATA TERMINATION(4) /'RECOVER
DATA TERMINATION(5) /'RECOVER
DATA TERMINATION(6) /'NON-RECOVER
DATA TERMINATION(7) /'FATAL
/'NORMAL TERMINATION*'/
/'ATTENTION*'/
/'TAPE STATUS ALERT*'/
/'FUNCTION REJECT*'/
/'RECOVERABLE ERROR (MOTION)*'/
/'RECOVERABLE ERROR (NO MOTION)*'/
/'NON-RECOVERABLE ERROR (POS. LOST)*'/
/'FATAL CONTROLLER ERROR*'/
                                                                           ER*10 V1MSG_HDR(15:20)

V1MSG_HDR(15) /'ILLEGAL*'/

V1MSG_HDR(16) /'END*'/

V1MSG_HDR(17) /'FAIL*'/

V1MSG_HDR(18) /'ERROR*'/

V1MSG_HDR(19) /'ATTENTION*'/

V1MSG_HDR(20) /'ILLEGAL*'/
                                                   CHARACTER*10
                                                   DATA
                                                   DATA
                                                   DATA
                                                   DATA
                                                   DATA
                                                   DATA
                                                                            R*16 V2MSG_HDR(0:1)
V2MSG_HDR(0) /'ONE WORD HEADER*'/
V2MSG_HDR(1) /'ILLEGAL*'/
                                                   CHARACTER*16
                                                   DATA
                                                   DATA
                                                                           ER*31 V3MSG_HDR(0:2)
V3MSG_HDR(0) /'ON-LINE OR OFF-LINE TRANSITION*'/
V3MSG_HDR(1) /'MICRO DIAGNOSTIC FAILURE*'/
V3MSG_HDR(2) /'ILLEGAL CLASS CODE*'/
                                                   CHARACTER*31
                                                   DATA
                                                   DATA
                                                   DATA
                                                  CHARACTER*33 V4MSG_HDR(0:4)

DATA V4MSG_HDR(0) /'PACKET BAD*'/

DATA V4MSG_HDR(1) /'ILC, ILA OR NBA AFTER TAPE MOTION*'/

DATA V4MSG_HDR(2) /'NON-EXECUTABLE FUNCTION*'/

DATA V4MSG_HDR(3) /'MICRO DIAGNOSTIC FAILURE*'/

DATA V4MSG_HDR(4) /'ILLEGAL CLASS CODE*'/
                                                   CHARACTER*33 V5MSG_HDR(15:15)
DATA V5MSG_HDR(15) /'ACKNOWLEDGE, CPU OWNS CMD BUFFER*'/
                                                                           R*13 V1MSG_LWD(9:11)
V1MSG_LWD(9) /'ILLEGAL*'/
V1MSG_LWD(10) /'= 10.(BYTES)*'/
V1MSG_LWD(11) /'ILLEGAL*'/
                                                   CHARACTER*13
                                                   DATA
                                                   DATA
                                                   DATA
                                                                           ER*22 TS COMMAND(0:11)
TS COMMAND(0) /'INITIALIZE*'/
TS COMMAND(1) /'READ*'/
TS COMMAND(2) /'ILLEGAL*'/
TS COMMAND(3) /'ILLEGAL*'/
TS COMMAND(4) /'WRITE CHARACTE
TS COMMAND(5) /'WRITE*'/
TS COMMAND(5) /'URITE*'/
TS COMMAND(6) /'DIAGNOSTIC COMMAND(7) /'ILLEGAL*'/
TS COMMAND(8) /'POSITION*'/
TS COMMAND(9) /'FORMAT*'/
TS COMMAND(10) /'CONTROL*'/
TS COMMAND(11) /'ILLEGAL*'/
                                                   CHARACTER+22
                                                   DATA
                                                   DATA
                                                                                                                               /'ILLEGAL*'/
/'ILLEGAL*'/
/'WRITE CHARACTERISTICS*'/
/'WRITE*'/
                                                   DATA
                                                   DATA
                                                   DATA
                                                                                                                               /'DIAGNOSTIC COMMAND*'/
/'ILLEGAL*'/
/'POSITION*'/
                                                   DATA
                                                   DATA
                                                   DATA
                                                   DATA
                                                   DATA
                                                   CHARACTER*17
                                                                                                     READ_MODE (0:4)
```

```
16-Sep-1984 00:15:51
5-Sep-1984 14:23:51
                                                                                                                                                                      VAX-11 FORTRAN V3.4-56
DISK$VMSMASTER: [ERF.SRC]TSTAPE.FOR; 1
TSTAPE
                                                                                                                                                                                                                                           Page
                                             READ_MODE(0)
READ_MODE(1)
READ_MODE(2)
READ_MODE(3)
READ_MODE(4)
                                                                            /'READ NEXT*'/
/'READ TREVIOUS*'/
/'RE-READ PREVIOUS*'/
/'RE-READ NEXT*'/
DATA
                              DATA
                              DATA
                              DATA
                                                                            /'ILLEGAL MODE * 1/
                              DATA
                              CHARACTER*17 WRITE_MODE(0:2)
DATA WRITE_MODE(0) /'WRITE DATA*'/
DATA WRITE_MODE(1) /'WRITE DATA RETRY*'/
DATA WRITE_MODE(2) /'ILLEGAL MODE*'/
                                            POSITION_MODE(0:5)

POSITION_MODE(0)7'SPACE RECORDS FORWARD*'/
POSITION_MODE(1)/'SPACE RECORDS REVERSE*'/
POSITION_MODE(2)/'SKIP TAPE MARKS FORWARD*'/
POSITION_MODE(3)/'SKIP TAPE MARKS REVERSE*'/
POSITION_MODE(4)/'REWIND*'/
POSITION_MODE(5)/'ILLEGAL MODE*'/
                              CHARACTER*24
                              DATA
                              DATA
                              DATA
                              DATA
                              DATA
                              DATA
                                             R*23 CONTROL_MODE(0:3)
CONTROL_MODE(0) /'MESSAGE BUFFER RELEASE*'/
CONTROL_MODE(1) /'REWIND AND RELOAD*'/
CONTROL_MODE(2) /'CLEAN*'/
CONTROL_MODE(3) /'ILLEGAL MODE*'/
                              CHARACTER*23
                              DATA
                              DATA
                              DATA
                              DATA
                                             R*13 NORMAL_MODE(0:1)
NORMAL_MODE(0) /'NORMAL MODE*'/
NORMAL_MODE(1) /'ILLEGAL MOSE*'/
                              CHARACTER+13
                              DATA
                              DATA
                                             FORMAT_MODE(0:3)

FORMAT_MODE(0) /'WRITE TAPE MARK*'/

FORMAT_MODE(1) /'ERASE*'/

FORMAT_MODE(2) /'WRITE TAPE MARK ENTRY*'/

FORMAT_MODE(3) /'ILLEGAL MODE*'/
                              CHARACTER*22
                              DATA
                              DATA
                              DATA
                              DATA
                                             R*17 V2CMD_HDR(7:7)
V2CMD_HDR(7) /'INTERRUPT ENABLE*'/
                              CHARACTER*17
                              DATA
                                            CHARACTER*34
                                                                            /'SWAP BYTES*'/
/'OPPOSITE*'/
                              DATA
                              DATA
                                                                            /'CLEAR VOLUME CHECK+'/
                              DATA
                                                                            /'ACKNOWLEDGE, TS11 OWNS MSG BUFFER*'/
                              DATA
                                                           V1TSSR(6:7)
6) /'OFF LINE*'/
                              CHARACTER*17
                                             V1TSSR(6)
V1TSSR(7)
                              DATA
                                                                           /'SUB-SYSTEM READY+'/
                              DATA
                                             R+30 V2TSSR(10:15)
V2TSSR(10) /'NEEL
V2TSSR(11) /'NON-
                              CHARACTER+30
                              DATA
                                                                              'NEED BUFFER ADDRESS*'/
                              ATAC
                                                                             "NON-EXISTENT MEMORY+"/
                                              V2TSSR(12)
V2TSSR(13)
                              DATA
                                                                            /'REGISTER MODIFICATION REFUSED*'/
                                                                            /'SERIAL BUS PARITY ERROR*'/
/'UNIBUS PARITY ERROR*'/
                              DATA
                                              V2TSSR(14)
V2TSSR(15)
                              DATA
                                                                            /'SPECIAL CONDITION*'/
                              DATA
                              CHARACTER+2
                                                             EX_ADDR(8:9)
```

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TSTAPE
                                                                                               16-Sep-1984 00:15:51
5-Sep-1984 14:23:51
                                                                                                                                   VAX-11 FORTRAN V3.4-56
DISK$VMSMASTER: [ERF.SRC]TSTAPE.FOR; 1
                                                                                                                                                                                         Page
0444
0445
0446
0447
0448
0449
                                    EX_ADDR(8)
EX_ADDR(9)
                        DATA
                                                            /:16:/
                        DATA
                        CHARACTER*7
                                                V1MODE
                        DATA
                                   VIMODE
                                                            /'MODE = '/
0450
0451
0451
0453
0453
0455
0455
0456
0465
0467
0467
0467
0471
0471
0473
                        CALL FRCTOF (LUN)
                        call dhead1 (lun, 'UBA TS11')
                        CALL LINCHK (LUN.2)
                       WRITE(LUN, 10) TSBA
FORMAT(/' ', T8, 'TSBA', T24, Z8.4)
            10
                        CALL LINCHK (LUN, 1)
                       WRITE(LUN, 15) TSSR
FORMAT(' , T8, 'TSSR', T24, Z8.4)
            15
                        IF (JIAND(TSSR, '800E'X) .EQ. '800E'X) THEN
                       FIELD = LIBSEXTZV(4,2,TSSR)
                        CALL LINCHK (LUN, 2)
                        WRITE(LUN, 20) FATAL ERROR(FIELD)
FORMAT(', T40, A < COMPRESSC (FATAL ERROR(FIELD))>,/,
            20
                        1 T40, 'FATAL CONTROLLER ERROR')
0476
0477
0478
0479
0481
0482
0483
0484
0488
0488
0491
0493
0496
0497
0498
0497
                       FIELD = LIBSEXTZV(1,3,TSSR)
                       CALL LINCHK (LUN, 1)
                       WRITE(LUN, 25) TERMINATION(FIELD)
FORMAT(', 140, A < COMPRESSC (TERMINATION(FIELD))>)
           25
                       CALL OUTPUT (LUN.TSSR.V1TSSR.6.7.7.'0')
                        D0 28.1 = 8.9
                        IF (JIAND(TSSR, 2**1) .NE. 0) THEN
                        CALL LINCHK (LUN, 1)
                        WRITE(LUN, 27) EX ADDR(I)
FORMAT(' , 140, 'EXTENDED BUS ADDRESS BIT ', A2, '.')
            27
                        ENDIF
            28
                        CONTINUE
                        CALL OUTPUT (LUN, TSSR, V2TSSR, 10, 10, 15, '0')
                        CALL LINCHK (LUN, 3)
```

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16-Sep-1984 00:15:51 VAX-11 FORTRAN V3.4-56 DISK$VMSMASTER:LERF.SRCJTSTAPE.FOR:1 Page DISK$VMSMASTER:LERF.SRCJTSTA
```

WRITE(LUN, 35) CMD BUF(0) FORMAT(\*, T8, CMD HDR\*, T24, Z8.4) TS\_FUNCTION = LIBSEXTZV(0,5,CMD\_BUF(0)) CALL LINCHK (LUN,1) WRITE(LUN, 40) TS\_COMMAND(MIN(11, TS\_FUNCTION))
FORMAT(' , T40, 'FUNCTION = ',
1 A<COMPRESSC (TS\_COMMAND(MIN(11, TS\_FUNCTION)))>) FIELD = LIBSEXTZV(5,2,CMD\_BUF(0)) CALL LINCHK (LUN,1) WRITE(LUN,45) V1CMD\_HDR(MIN(1,FIELD))
FORMAT(',T40,A<COMPRESSC (V1CMD\_HDR(MIN(1,FIELD)))>) CALL OUTPUT (LUN, CMD\_BUF(0), V2CMD\_HDR, 7, 7, 7, '0') IF (TS\_FUNCTION .EQ. INITIALIZE TS FUNCTION .EQ. CONTROL
TS FUNCTION .EQ. FORMAT
OR. TS\_FUNCTION .EQ. POSITION TS\_FUNCTION .EQ. WRITE\_SUB TS FUNCTION .EQ. WRITE TS\_FUNCTION .EQ. WRITE\_CHAR .OR. TS\_FUNCTION .EQ. READ 7 TS\_FUNCTION .EQ. GET\_STATUS) THEN CALL LINCHK (LUN, 1) MODE = LIBSEXTZV(8,4,CMD\_BUF(0)) IF (TS\_FUNCTION .EQ. INITIALIZE TS FUNCTION .EQ. WRITE\_SUB TS FUNCTION .EQ. WRITE\_CHAR .OR. 6 TS\_FUNCTION .EQ. GET\_STATUS) THEN WRITE(LUN, 50) V1MODE, NORMAL\_MODE(MIN(1, MODE))

WRITE(LUN.30)
FORMAT(/' ', 'COMMAND BUFFER',/)

CALL LINCHK (LUN.1)

TSTAPE

30

35

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TU

Page

VAX-11 FORTRAN V3.4-56 DISKSVMSMASTER: [ERF.SRC]TSTAPE.FOR; 1

TU

10

Page

VAX-11 FORTRAN V3.4-56 DISK\$VMSMASTER:[ERF.SRC]TSTAPE.FOR;1

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VAX-11 FORTRAN V3.4-56 DISK\$VMSMASTER: [ERF.SRC]TSTAPE.FOR; 1

TU

VAX-11 FORTRAN V3.4-56
DISK\$VMSMASTER:[ERF.SRC]TSTAPE.FOR;1

M 9 16-Sep-1984 00:15:51 5-Sep-1984 14:23:51

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16-Sep-1984 00:15:51
5-Sep-1984 14:23:51
TSTAPE
                                                                                                                                                                           VAX-11 FORTRAN V3.4-56
DISK$VMSMASTER:[ERF.SRC]TSTAPE.FOR:1
                                                                                                                                                                                                                                                          Page 14
PROGRAM SECTIONS
        Name
                                                                                  Bytes
                                                                                                   Attributes
                                                                                     4242
1020
4504
512
                                                                                                  PIC CON REL LCL SHR NOEXE PIC CON REL LCL NOSHR NOEXE
       SCODE
                                                                                                                                                               RD NOWRT LONG
        SPDATA
                                                                                                                                                               RD NOWRT LONG
    3 EMB
        SLOCAL
                                                                                                                                                               RD
                                                                                                                                                                         WRT LONG
                                                                                                   PIC OVR REL GBL
                                                                                                                                       SHR NOEXE
                                                                                                                                                                          WRT LONG
        Total Space Allocated
                                                                                   10278
ENTRY POINTS
        Address Type Name
   0-00000000
                                      TSTAPE
VARIABLES
        Address Type Name
                                                                                                               Address Type Name
                                     EMB$B_DV_CLASS
EMB$B_DV_ERTMAX
EMB$B_DV_SLAVE
EMB$L_DV_CHAR
EMB$L_DV_IQSB2
EMB$L_DV_NUMREG
EMB$L_DV_OWNUIC
EMB$L_DV_OWNUIC
EMB$L_DV_BCNT
EMB$W_DV_ERRCNT
EMB$W_DV_ERRCNT
EMB$W_DV_STS
EMB$W_HD_ENTRY
FIELD
                                                                                                                                            EMBSB DV ERTCHT
EMBSB DV NAMLNG
EMBSB DV TYPE
EMBSL DV IOSB1
EMBSL DV MEDIA
EMBSL DV OPCHT
EMBSL DV RQPID
EMBST DV NAME
EMBSW DV BOFF
EMBSW DV FUNC
EMBSW DV UNIT
EMBSW HD ERRSEQ
    3-0000001C L*1
                                                                                                            3-00000010 L+1
     5-00000011
                                                                                                             -0000003E
                           L+1
                                                                                                           3-0000003E

3-0000001D

3-00000012

3-0000002E

3-0000001E

3-0000003F

3-0000003C

3-0000003C

3-0000000E

2-00000BCC

2-00000BCC

2-00000BCC

2-00000BCC

2-00000BCC
                                                                                                                                  1.41
     5-0000003A
                                                                                                                                   1 +1
      -00000036
                                                                                                                                   1+4
    3-00000036
3-0000004E
3-00000032
3-00000000
3-00000024
3-0000001A
3-00000004
                                                                                                                                    1+4
                            1+4
                                                                                                                                    1 =4
                                                                                                                                   1+4
                                                                                                                                   CHAR
                                                                                                                                  I+2
I+2
I+2
I+4
  2-000008C4 I *4
AP-000000048 L *1
3-0000008E I *4
3-00000096 I *4
                                      FIELD
                                                                                                                                    1+4
                                      LUN
                                                                                                                                             MODE
                                                                                                                                             MSG LWD
                                      MSG_HDR
                                                                                                                                    1+4
                                      RBPCR
                                                                                                                                    1 +4
    3-00000056
                                                                                                             -00000BC8
                                                                                                                                            TS FUNCTION XSTATO
                             1+4
                                      TSSR
                                                                                                                                    1+4
    2-00000B87
3-0000009E
                                                                                                             -0000009A
                            CHAR VIMODE
                                                                                                                                    1+4
                            I.4 XSTATI
                                                                                                           3-000000A2
                                                                                                                                             XSTAT2
                                                                                                                                   1+4
    3-000000A6
                                    XSTAT3
ARRAYS
        Address Type Name
                                                                                                                  Bytes Dimensions
    3-0000006E
2-00000976
3-00000000
3-00000052
3-00000006
                                                                                                                                 (0:7)
(0:3)
(0:511)
                                                                                                                       32
92
512
420
                            I+4 CMD_BUF
                            CHAR CONTROL MODE
                            L+1
                           I+4 EMBSL DV REGSAV
I+4 EMBSQ HD TIME
CHAR EX ADDR
CHAR FATAL ERROR
CHAR FORMAT_MODE
                                                                                                                                 (0:104)
(2)
(8:9)
      -00000883
-00000438
                                                                                                                       136
     2-000009EC
```

CO

CO

TSTAPE						B 10 16-Sep-1984 00: 5-Sep-1984 14:	15:51 23:51	VAX-11 FORTR/ DISK\$VMSMAST	AN V3.4-5 ER: [ERF.S	6 RC]TSTAPE.FOR;	Page 15
3-0000008E 2-00000902 2-0000085E 2-0000085E 2-00000756 3-000005D0 2-000005D0 2-000005D0 2-0000072F 2-0000020 2-0000020 2-00000444 2-00000000 2-000008FF 2-000008FF 2-000008FF 2-000008FC 2-000008B3	I*4 MSG BUF CHAR NORMAL M CHAR POSITION CHAR READ MOD CHAR TERMINAT CHAR TS CUMMA I*4 UBX TEGS CHAR V1CMD HD CHAR V1MSG HD CHAR V1MSG LW CHAR V1XSTATI CHAR V1XSTATI CHAR V2MSG HD CHAR V2MSG HD CHAR V2XSTATI CHAR V2XSTATI CHAR V2XSTATI CHAR V3XSTATI CHAR V3XSTATI CHAR V3XSTATI CHAR V3XSTATI CHAR V3XSTATI CHAR V3MSG HD CHAR V3MSG HD CHAR V5MSG HD CHAR WRITE MO	R R R R R R R R R R R R R R R R R R R			286452402094809480907205351 2223633480907205351 16351	(0:6) (0:1) (0:5) (0:4) (0:7) (0:11) (0:4) (0:1) (15:20) (9:11) (6:7) (0:15) (0:7) (10:15) (0:7) (10:15) (10:15) (12:15)					
LABELS											
Address	Label A	ddress	Label	Address	Label	Address	Label	Address	Label	Address	Label
1-00000047 1-00000003 1-0000012E 1-00000198 1-0000024B 1-00000369 1-000003F7	90° 1-0 115° 1-0 145° 1-0	0000059 00000059 000013C 00001A9 000025F 00002E1	15' 35' 65' 95' 120' 150'	1-000006A 1-00000ED 1-000014A 1-000001CE 1-0000027C 1-000002F3	70' 98' 125'	1-00000091 1-00000106 1-00000158 1-000001EB 1-00000298 1-00000319	25° 45° 75° 100° 130° 154° 178	1-0000009D 1-00000112 1-00000166 1-00000216 1-000002A4 1-00000343	27° 50° 80° 105° 135° 155° 180°	1-00000120 1-0000017F 1-00000235 1-00000356 1-00000356	28 55' 85' 110' 140' 160' 185'
FUNCTIONS AND	SUBROUTINES R	EFERENCI	ED								
Type Name	Тур	e Name		Type Name		Type Name		Type Name		Type Name	
CALC IRP\$C ORB\$L UCB\$B	MAP PID OWNER ERTMAX	OUTP	MAP2 10SB UT L_CHAR	IRP\$	RESS4 W BCNT PE QIO L_OPCNT	UBA_D	ESSC BOFF ATAPATH ERRCNT	I+4 LIBSI UBA I UCBSI	O1 EXTZV MAPPING W_STS	FRCTO LINCH UCB\$B	F K _ERTCNT

..

qiocode(1,32) = %loc(io\$\_writelblk)

TU

TU

TSTAPE\_QIO

VAX-11 FORTRAN V3.4-56 DISK\$VMSMASTER: [ERF.SRC]TSTAPE.FOR; 1

3-0000017E CHAR IOS WRITETRACKD 3-00000448 CHAR IOS WRITEWTHBUF AP-000000048 L\*1 LUN

CHAR IOS WRITEVBLK CHAR IOS WRITMKR CHAR QIO STRING

ARRAYS

Address Type Name Bytes Dimensions 512 (0:1, 0:63) 2-00000000 1\*4 Q10CODE

LABELS

Address Label 10

FUNCTIONS AND SUBROUTINES REFERENCED

Type Name

Type Name

IRP\$W\_FUNC

I\*4 LIBSEXTZV

COMMAND QUALIFIERS

FORTRAN /LIS=LISS:TSTAPE/OBJ=OBJS:TSTAPE MSRCS:TSTAPE

/CHECK=(NOBOUNDS,OVERFLOW,NOUNDERFLOW)
/DEBUG=(NOSYMBOLS,TRACEBACK)
/STANDARD=(NOSYNTAX,NOSOURCE\_FORM)
/SHOW=(NOPREPROCESSOR,NOINCLODE,MAP)
/F77 /NOG\_FLOATING /14 /OPTIMIZE /WARNINGS /NOD\_LINES /NOCROSS\_REFERENCE /NOMACHINE\_CODE /CONTINUATIONS=19

COMPILATION STATISTICS

14.63 seconds 39.25 seconds 289 266 pages Run Time: Elapsed Time: Page faults:

Dynamic Memory:

0154 AH-BT13A-SE

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